

UbuntuNet Alliance

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Shaping the NREN Landscape in Africa: Opportunities for Advanced Research and Education Networking

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Our thesis....

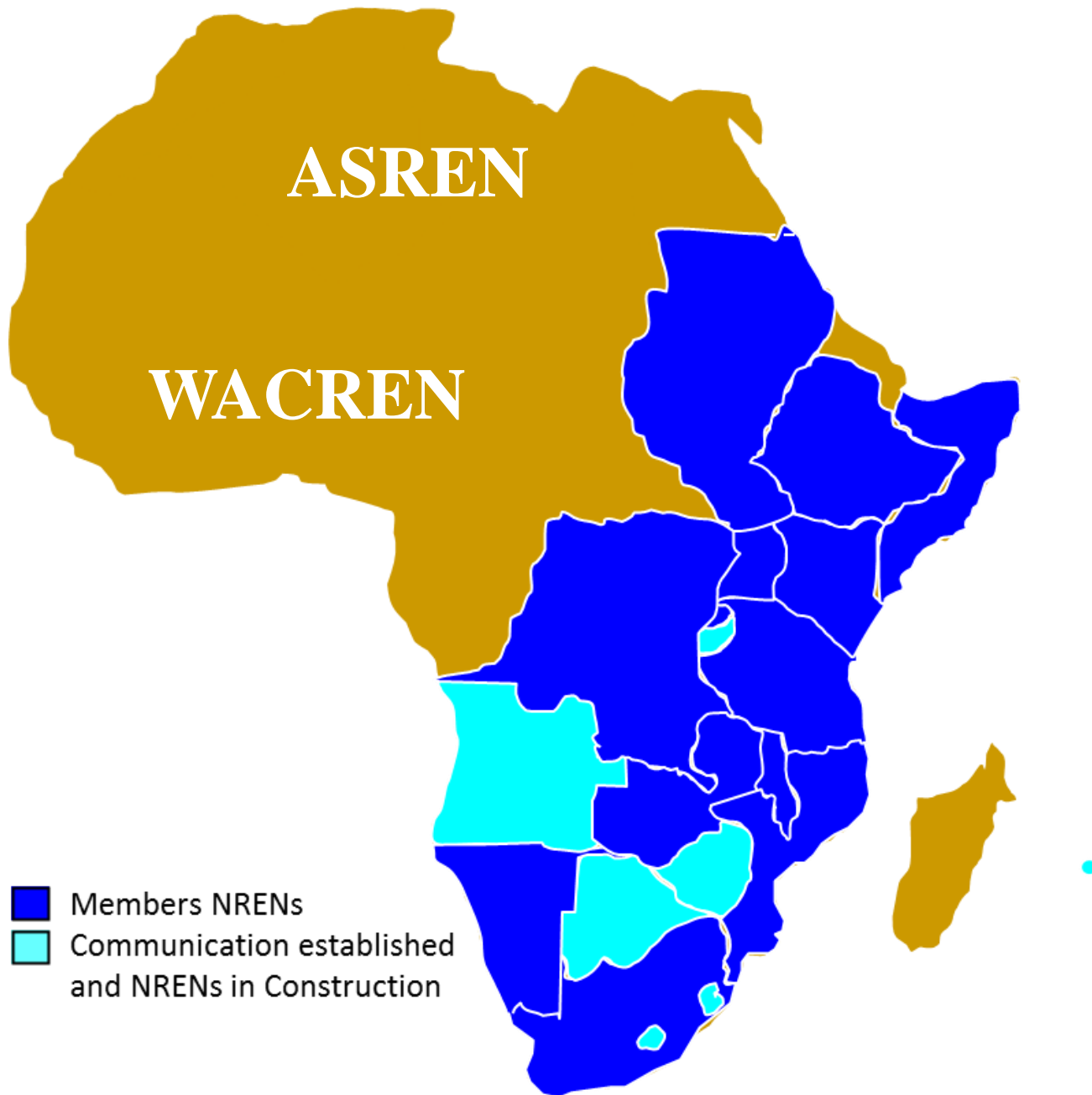
- *“Improved and affordable regional and international connectivity will enable African researchers to generate a proportionate amount of intellectual property goods to achieve parity with the rest of the world”*
 - We are creating access equality in order to unleash the intellectual potential in Africa

Our Role....

- **Create awareness and stimulate/support growth of NRENs**
- **Create a human network of experience and expertise for mutual support and benefit**
- **Engage content networks**
- **Engage policymakers and regulators to create conducive environments**
- **Engage external expertise (other RENS) and development partners**
- **Roll out and operate regional infrastructure**

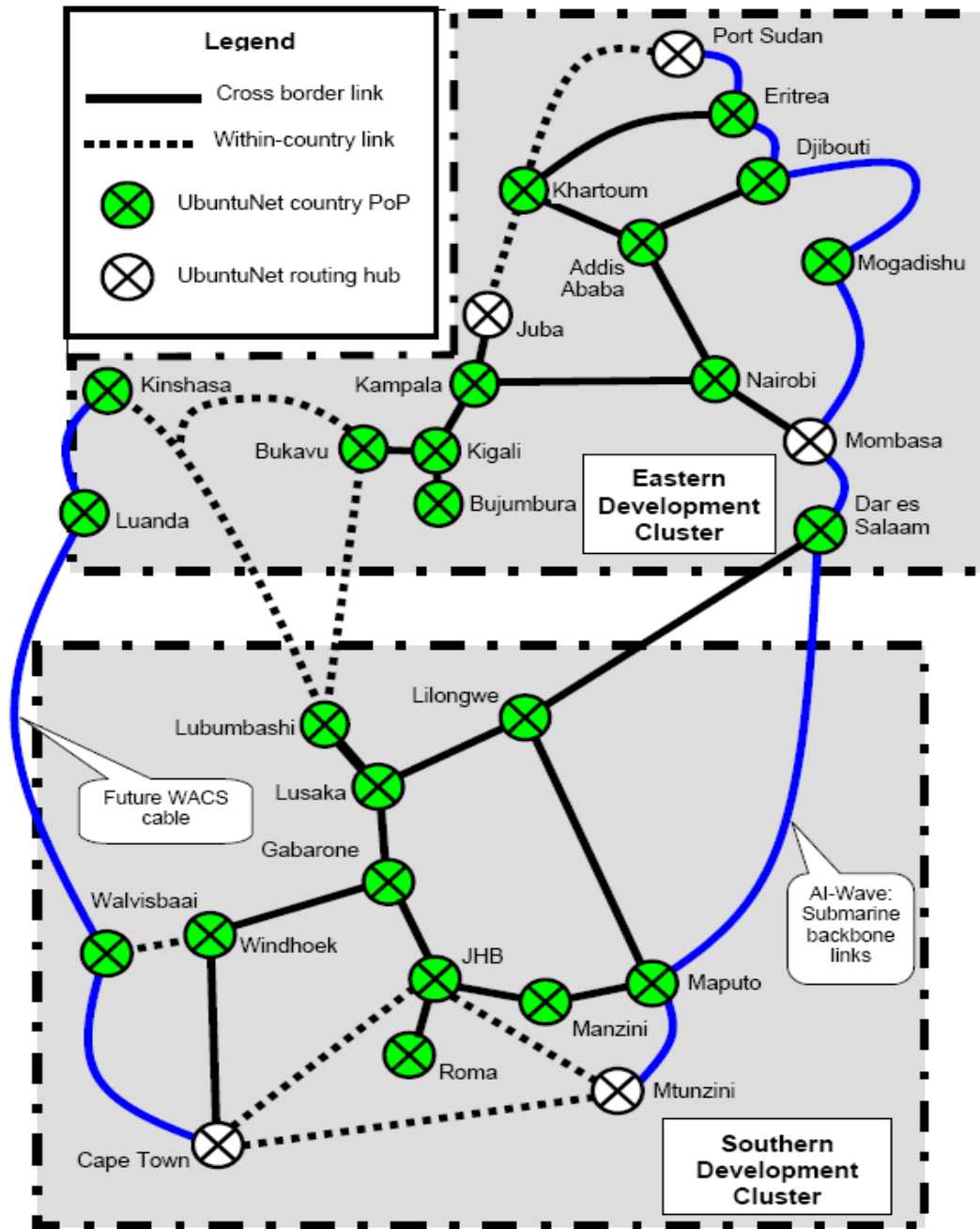
UbuntuNet Alliance Membership Status

13 Full member countries

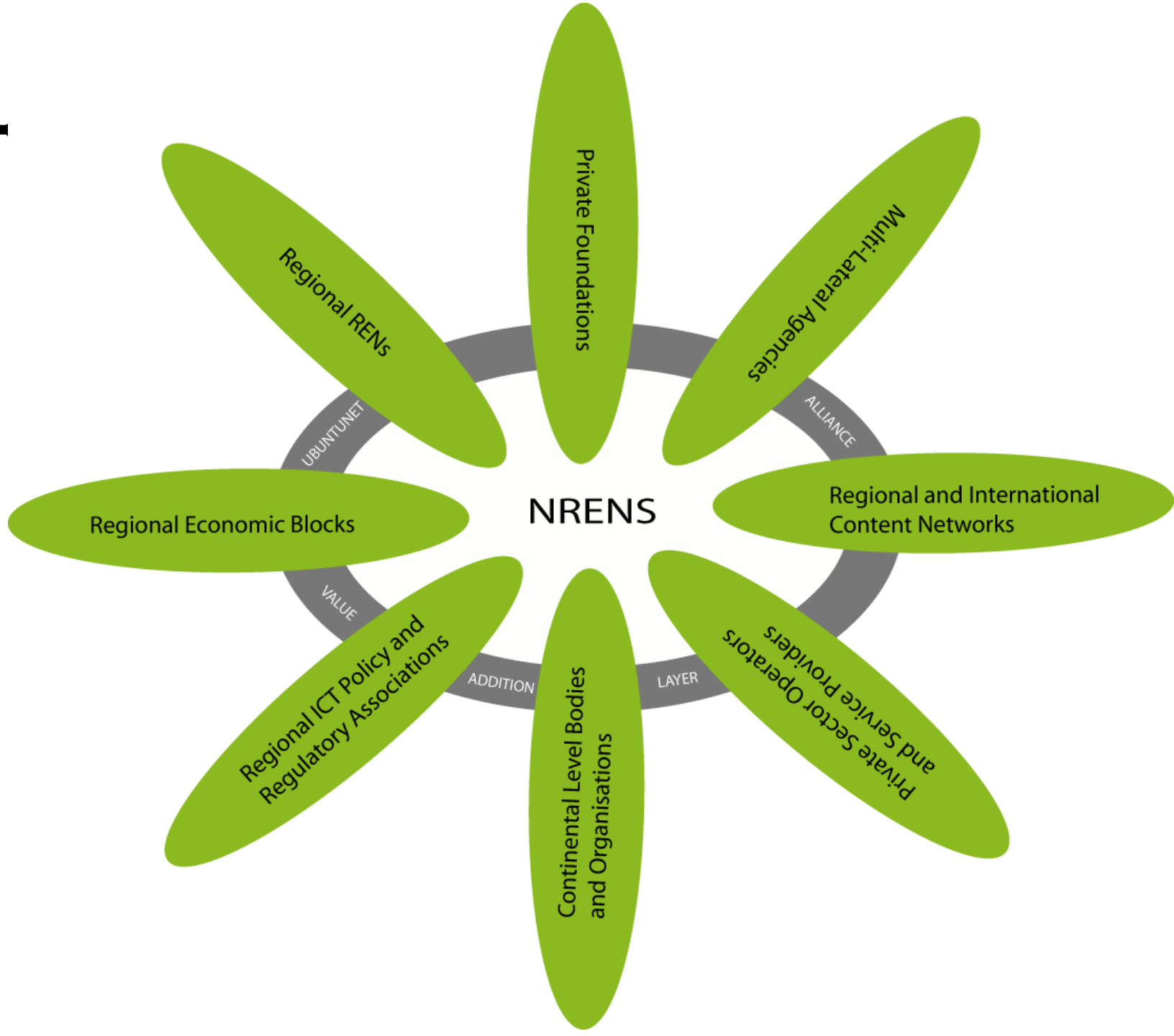


UbuntuNet Backbone Vision

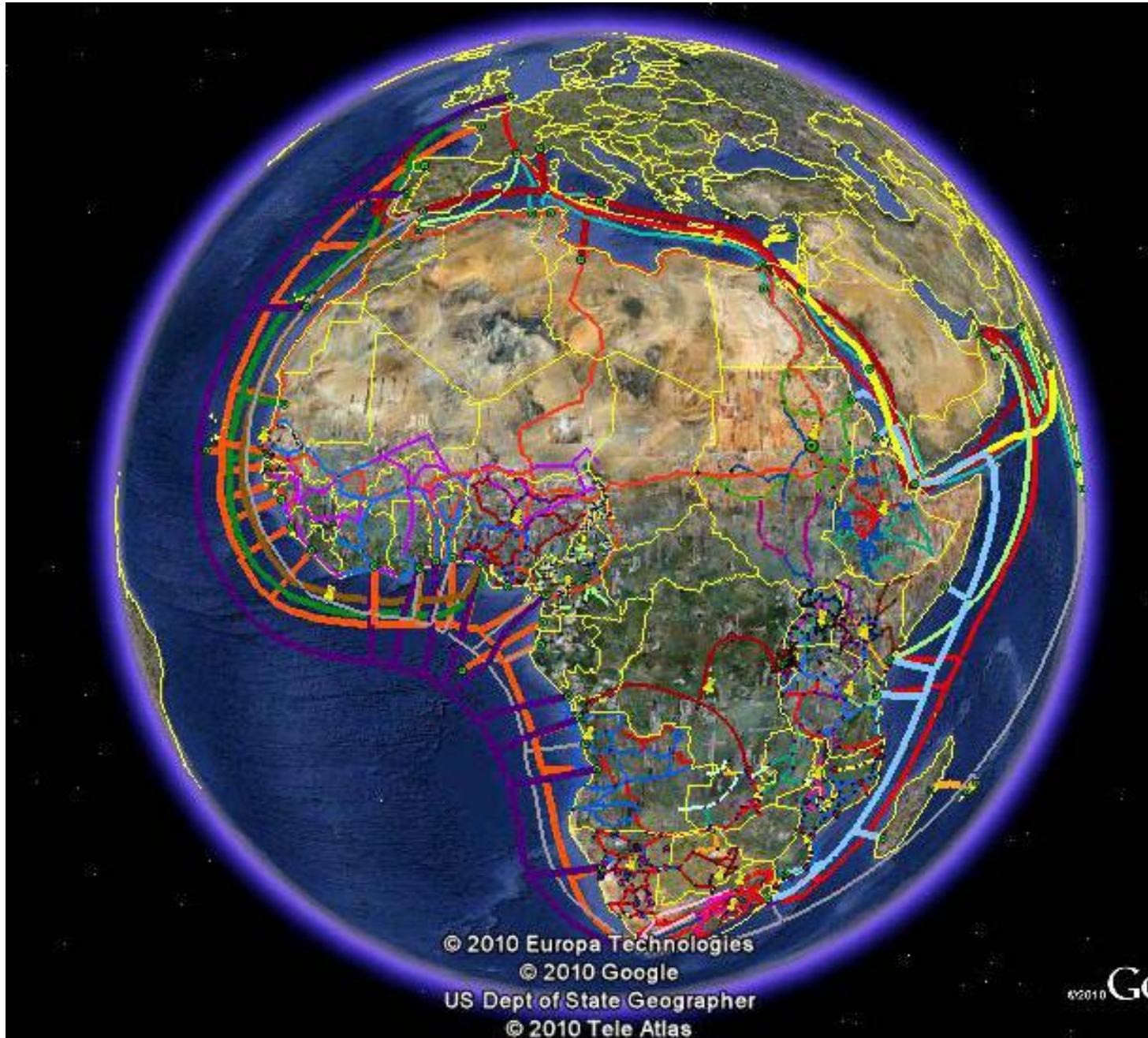
Future UbuntuNet Backbone as envisaged on 1 Nov 2008



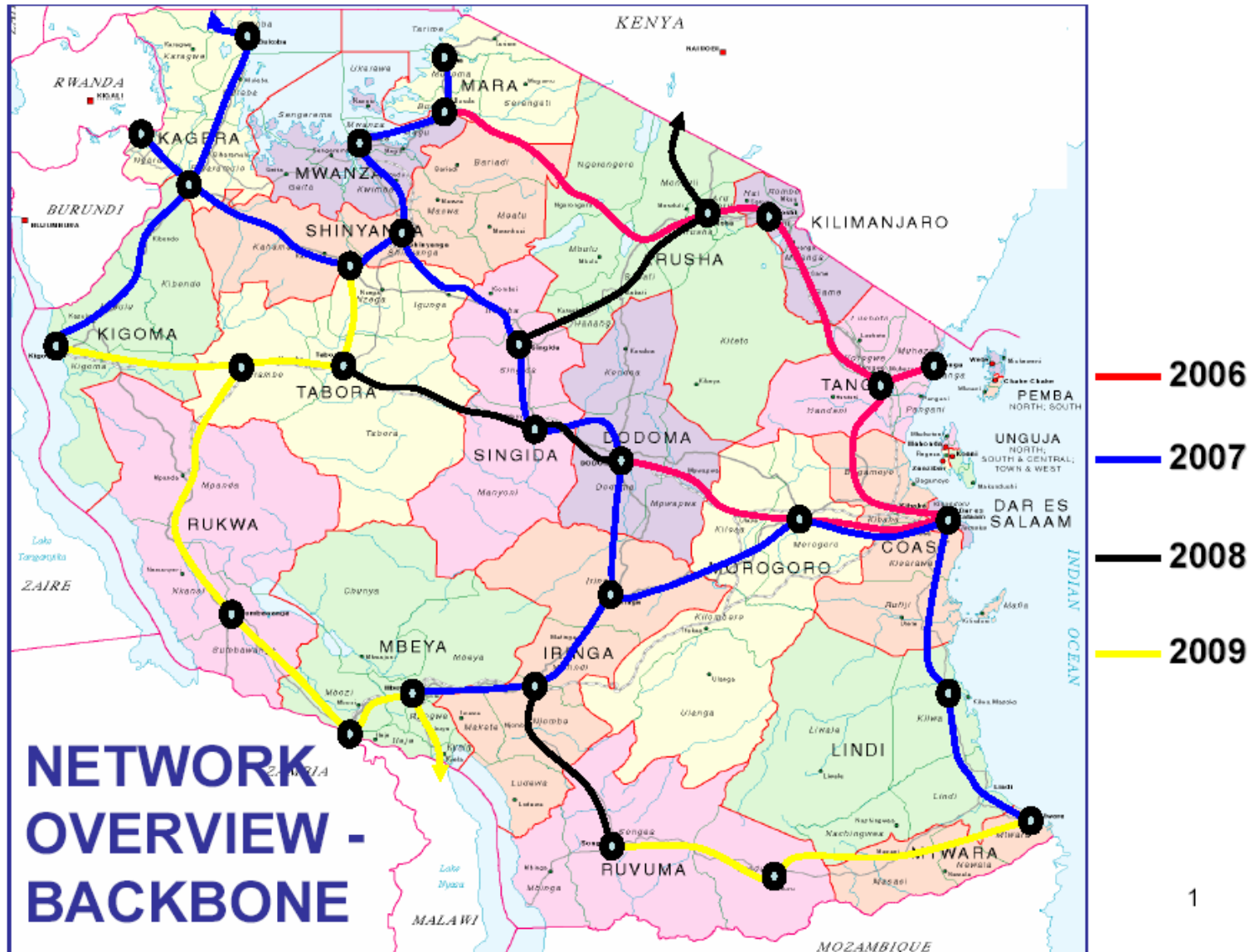
UbuntuNet Stakeholders Map



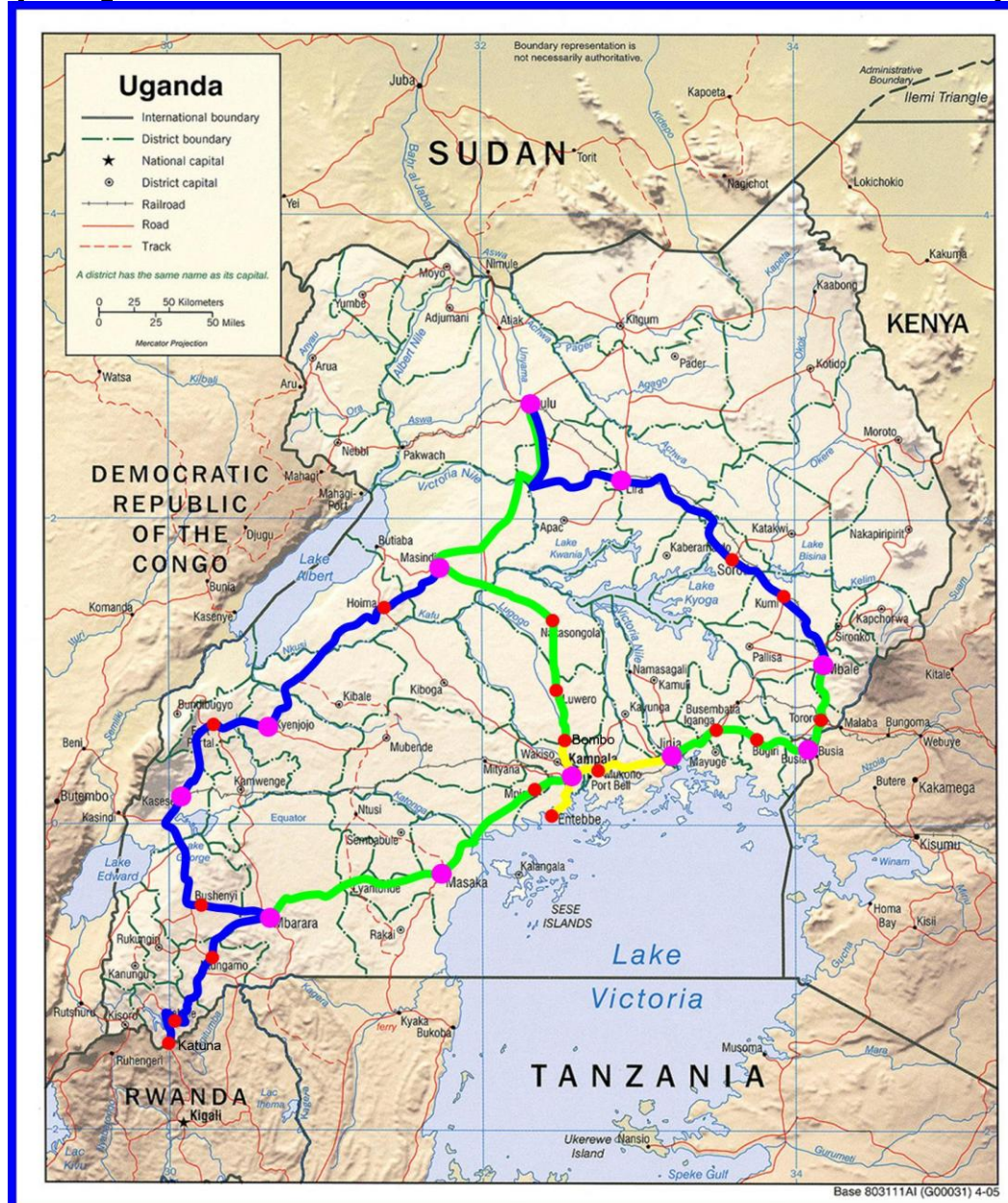
Fibre to and Within Africa



Tanzania National Information Communication and Technology Broadband Backbone (NICTBB)

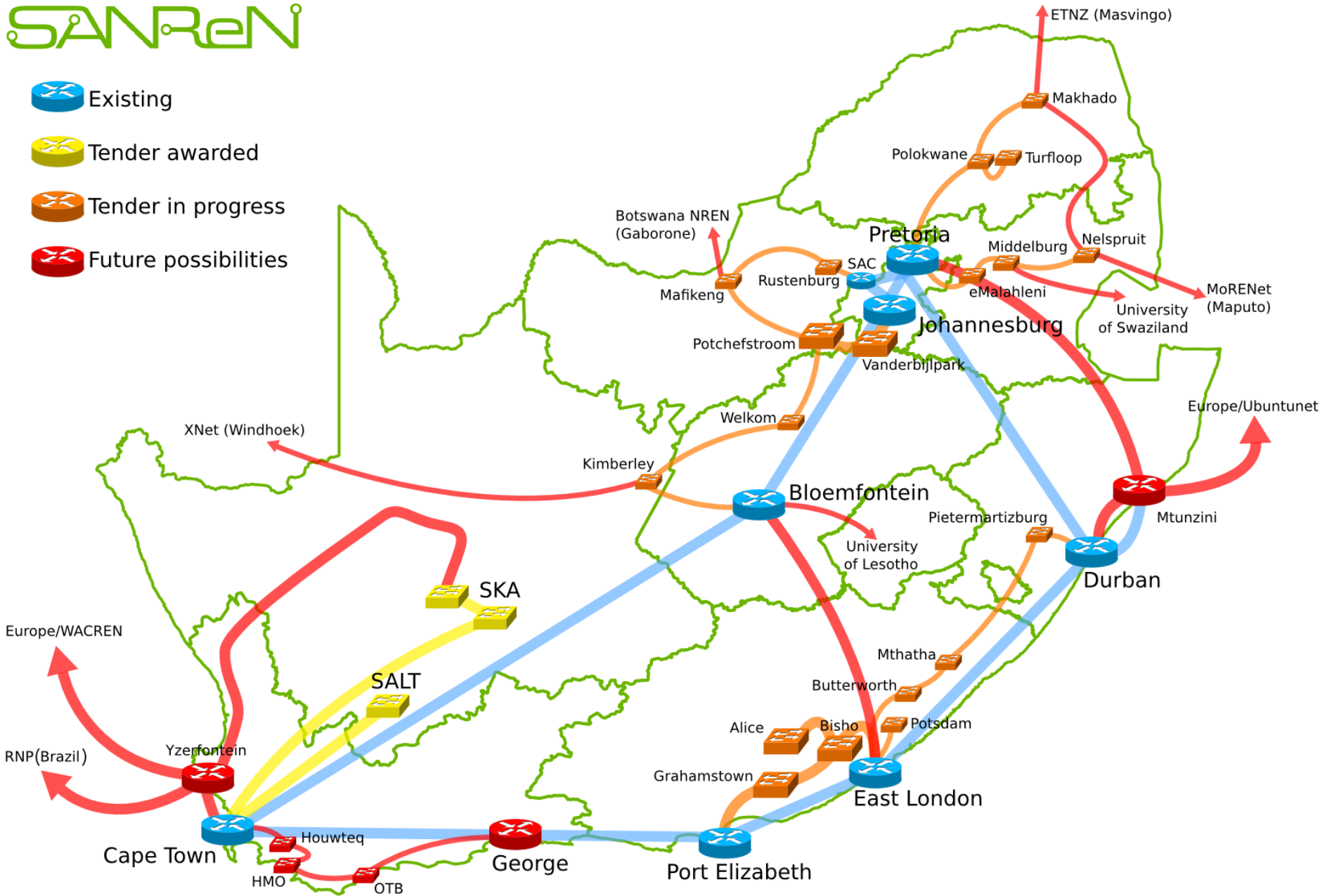


Uganda National Fibre Backbone (Operators' fiber not shown)



SANREN

-  Existing
-  Tender awarded
-  Tender in progress
-  Future possibilities



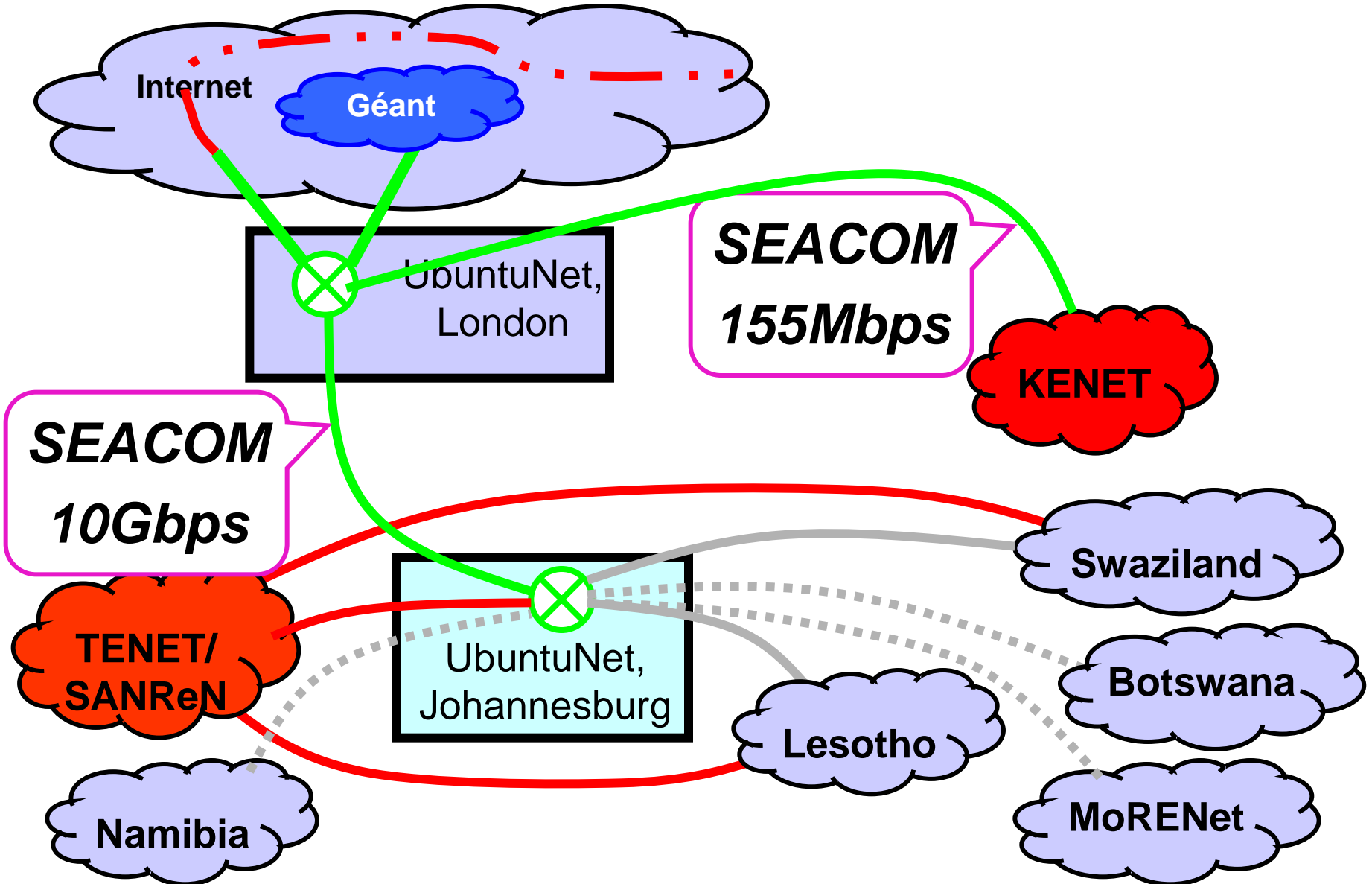
Current Activities...(1)

- **Working with AAU and NRENs to establish:**
 - **Availability of in-country capacity that can be used for REN transit traffic (esp national backbones)**
 - **Availability of carrier grade facilities for Layer 3 POPs.**
 - **Opportunities for cross-border linkages**
 - **Licenses to own and operate networks with international gateways and regional REN transit paths**

Current Activities...(2)

- Promoting twinning with advanced NRENs
- Working with DANTE on pre-contract documents for AfricaConnect
- Approval from GÉANT NRENPC for upgrade of interconnect to 20Gbps (Looking to the day this will be in Africa rather than Europe!)
- MOU with Internet2 (Capacity building)
- Implementing MOU with IEEAF for support in infrastructure development, capacity building
- Engaged CLARA (Capacity; South-South)

UbuntuNet Current Operations



The Future is Bright!

- “We know that we have it in ourselves as Africans, to change all this [*the challenges we face*]. We must assert our will to do so. We must say there is no obstacle big enough to stop us from bringing about an African renaissance.”

– *Nelson Mandela*

- *Thank you*



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